

50m HDMI+IR signal Extender

Product specifications:

- Input video signal.....0.5-1.0 v P-P, 0.5-1.0v P-P
- HDMI resolution.....24/ 50/ 60fs/ 1080p/ 1080i/ 720p/ 576p/ 576i/ 480p/ 480i
- Transmission distance.....Cat-5e 40 meters, 1080p
- Video amplification bandwidth.....1.65 Gbps/ 165Hz
- Vertical frequency range.....50/ 60Hz
- Operating temperature.....0 C to +70 C
- Use humidity.....10% to 85% RH(no condensation)
- Infrared support.....38KHz
- Power.....DC 5V

Attentions:

- It is recommended to use shielded CAT-6 cable to achieve high transmission quality.
- Inferior cables cannot achieve long distance transmission and excellent transmission effect.
- In theory, the function of the product is normal when taking short distance transmission.

If the product can't achieve the long distance transmission, it means that the cable has its quality problems.

Diagram:



Connection Guide:

- 1.Connect HDMI signal input (such as HD DVD, PS3, STB) to transmitter.
- 2.Connect a CAT-5e/6 cable to the transmitter output and receiver input.
- 3.Connect the receiver's output to the monitor.
- 4.Plug the power supply into the transmitter and receiver.

Introduction:

This HDMI extender uses a CAT 5e/6 cable to extend HD signals up to 50 meters and can reach 1080p. It not only breaks the limitation of HDMI cable transmission length, but also is more convenient and flexible, and saves cost for customers. The following applications are provided by the company's equipment: the place that has the requirement to noise, transmission distance and safety, data center of gravity control, information distribution, conference room presentation, teaching environment and company training venue.

Main specification & special function:

- Compatible with HDCP 1.4 protocol
- Support video input: 1080p/1080i/720p/576p/576i/480p/480i
- Signal transmission by single cat6 cable (recommended) instead of HDMI cable, the max length of the cable between the transmitter and the receiver can be up to 50 meters.
- Support external remote infrared control for easy operation on remote devices.

Packing list:

Before using the product, please check the packing and make sure the following are included in the pack:

- 1x transmitters
- 1x receivers
- 2x DC5V adapters
- 1x manual

EDID learning function:

- Can easily solve the real problem between non-standard HDMI interface or incompatible display, projector and TV.
- Easily compatible between HDMI and DVI display devices.

The operation method is as follows:

- 1.Connect the HDMI extender to the power supply
- 2.Connect the HDMI extender transmitter to the monitor HDMI input with an HDMI cable.
- 3.Ensure that the monitor is turned on and select the monitor input to the corresponding HDMI input.
- 4 Learn the EDID step: first power on the transmitter, then connect the HDMI cable of the monitor to the HDMI port of the transmitter, and then press and hold the button of the transmitter for more than 3 seconds, the indicator light will flash quickly, and the indicator light such as releasing the button will stop flashing. Then the EDID learning is completed, restarting the transmitter EDID is the brand new EDID.

- 5 Steps to restore the default EDID: The transmitter is powered on first, and the HDMI or HDMI is not connected to the source. Press and hold the transmitter button for more than 3 seconds. The indicator light flashes slowly. Release the button and other indicators to stop flashing. The EDID is restored. I will read the EDID of 3DTV after power-on.

Note: To be compatible with DVI monitors, you can use HDMI to DVI cable, follow the steps above.

Product Advantages:

) Its length is fixed and cannot be changed after the HDMI cable is produced, because the HDMI connector can only be welded and completed in the factory by professional personnel. After that, users cannot shorten or extend the cable length by themselves. But users and the installers can easily handle the CAT-5e/6 line.

) The long HDMI cable has a large head, it must be hidden when using it. It can't be bent easily and it is difficult to adjust it in the wall tube, but CAT5e/6 wire has no this problem.

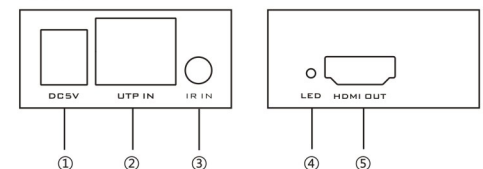
) While using this product with a CAT6 cable, the transmission distance can reach 50m, 1080P, but for the general HDMI cable, more than 10m should be customized.

Product Feature:

- A whole set of function, no need to set up.
- A CAT-5e/6 cable can replace the HDMI cable for long distance transmission
- Comply with IEEE-568B standard
- Use a CAT-5e/6 cable to achieve the transmission distance of 50 meters.
- Supports the highest frequency resolution 1080p
- Support 165Hz / 1.65Gbps / frame rate (total frame rate 4.95Gbps) bandwidth
- Support 8 bits per frame rate (total frame rate 24 bits) dark
- Supports uncompressed 2-frame audio, such as LPCM

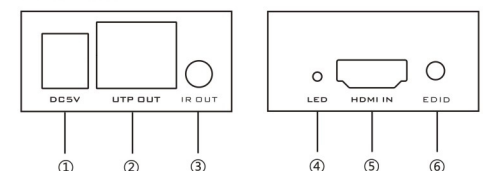
Interface introduction:

Receiver :



- ① Power supply
- ② Lan interface
- ③ IR input
- ④ LED indicator
- ⑤ HDMI output

Transmitter:



- ① Power supply
- ② Lan interface
- ③ IR output
- ④ LED indicator
- ⑤ HDMI input
- ⑥ EDID reading and writing